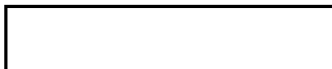


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MONTHLY REPORT



PAR 211

1 May 64


SUBJECT: Microdensitometer Study of Effects of Processing


TASK/PROBLEM

1. Collect and study microdensitometric data from mission materials in an attempt to determine the effect of film emulsions, processing, and printing on the characteristics of image edges. Also, attempt to determine true location of image edges for mensuration purposes.

DISCUSSION

2. Large experimental errors noted in acutance and modulation transfer measurements are due partly to erratic operation of the microdensitometer recorder. A factory service overhaul on the recorder did not improve microdensitometer performance. The electronic circuitry coupling the amplifier to the recorder was rebuilt and this repair appears to have corrected the recorder problems. Testing is now underway.

3. Master sharp-edge exposing plates have been ordered from the 

 A carbon step tablet for attenuating acutance exposures has been obtained.

PLANNED ACTIVITIES

4. A holding fixture for the master sharp edge plates and the carbon step table will be designed and built for making acutance exposures. The processing/edge structure study will be started.

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GROUP-1
Excluded from automatic downgrading
and declassification